BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work:-Improvements to roads and drains at Harohalli Village and Surrounding Areas in ward no-02 Of Yelahanka Sub Division.

Estimate Cost Rs. 30.00Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no141, PWD SR 2016-17)	Cum							
	Berm Cutting		2	240.00	1.30	0.35	218.40		
							218.40	**96.48**	**21071.00**
	Basic Rate	82.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	9.02							
		91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
	Total	**101.94**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-17	Cum							
	1St B Main CC drain		1	180.00	1.10	0.70	138.60		
			1	100.00	1.10	0.70	77.00		
	Culverts		5	6.00	1.30	0.90	35.10		
							250.70	**332.98**	**83478.00**
	Basic Rate	283.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	31.13							
		314.13							
	Area Weightage @ 6%	18.85							
	Total	**332.98**							
3	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17)	Cum							
			Vide Item No. 1+2				469.10	80.01	37532.00
	Basic Rate	68.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	7.48							
		75.48							
	Area Weightage @ 6%	4.53							

1142081-

		Total	**80.01**							
4	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum								
	1St B Main CC drain		1	180.00	1.00	0.15	27.00		
			1	100.00	1.00	0.15	15.00		
	Culverts		5	6.00	1.20	0.15	5.40		
							47.40	**5726.51**	**271437.00**
	Basic Rate	4867.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	535.37							
		5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
5	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p no13,sno4.11)	Cum								
	1St B Main Bottom Concrete :-Drain		1	180.00	0.90	0.15	24.30		
			1	100.00	0.90	0.15	13.50		
	Culverts		5	6.00	1.20	0.25	9.00		
	Side walls		2	180.00	0.15	0.80	43.20		
			2	100.00	0.15	0.60	18.00		
			10	6.00	0.25	0.80	12.00		
	Deck slab		5	6.00	1.00	0.25	7.50		
	Approaches		10	6.00	0.80	0.12	5.76		
							133.26	7072.54	942487.00
	Basic Rate	6011.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	661.21							
		6672.21							
	Area Weightage @ 6%	400.33							
	Total	**7072.54**							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2016-17,p.no17,s.no4.46)	Tonne,s								
	0.090 tonne,s / cum						11.48	66714.40	765548.00
	Basic Rate	56701.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	6237.11							

21,21,553-

	Area Weightage @ 6%	62938.11 3776.29							
	Total	**66714.40**							
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2016-17 p.no15/4.31)	Sqm							
	Side walls:-Drain		4	180.00		0.85	612.00		
			4	100.00		0.65	260.00		
	Culverts		20	6.00		1.00	120.00		
	Deck slab bottom		5	6.00	0.60		18.00		
							1010.00	344.74	348191.00
	Basic Rate	293.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	32.23							
		325.23							
	Area Weightage @ 6%	19.51							
	Total	**344.74**							
8	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Covering slabs:-		1	180.00	0.90		162.00		
			1	100.00	0.90		90.00		
							252.00	2100.00	529200.00
									1,056.00
9	Miscellaneous & Unforeseen Charges							**TOTAL**	**3000000.00**
	(Rupees Thirty lakhs Only)								

CERTIFICATE :-

2998944-

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2017-18
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ward No 02

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Satellite Town Sub Division
Yelahanka, Bangalore

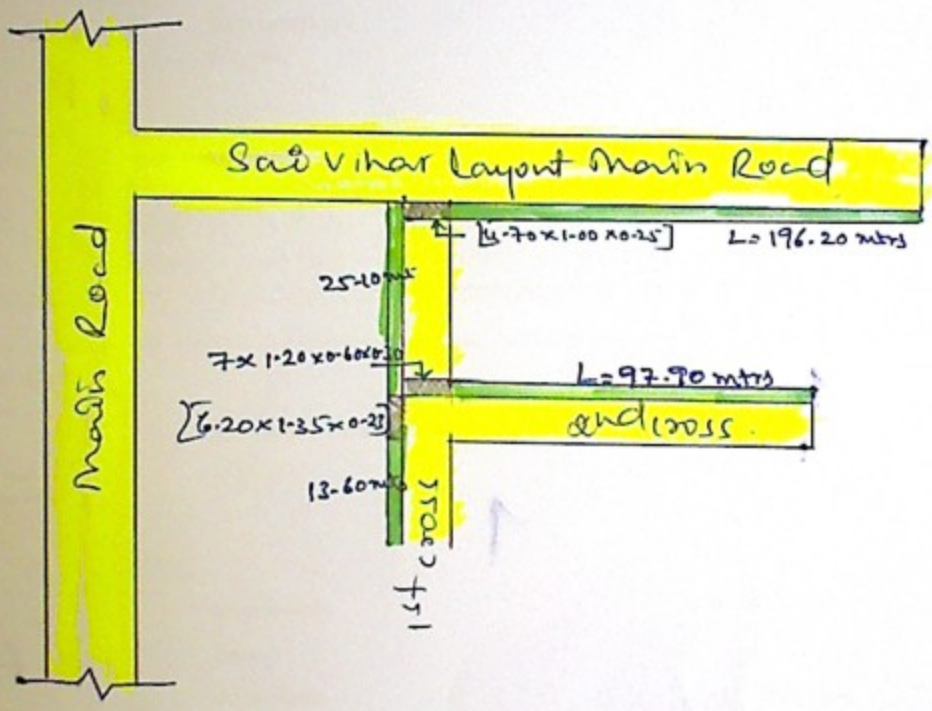
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Administrative Approval
Accorded For Rs. 30.00 Lacs
Head of A/C... P.1771
CER NO :... 239 ... Dtd 08.02.18
TA CE (YNK)

Technical Sanction
Accorded For Rs. 30.00 Lacs
Head of A/C... P.1771
CER NO :... 659 ... Dtd 16.02.18
TA CE (YNK)

Name of Work

Improvements to Roads and drains at Harohalli village and surrounding areas in ward no 02 Yelahanka sub division.



Index.

- R.C.C. Drain
- R.C.C. Culvert
- Existing Road.

Accepted
AE-02

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
Yelahanka, Bangalore